

Table 1. Total energy supply and disposition in the AEO2007 and AEO2006 reference cases, 2005-2030

Energy and economic factors	2005	2010		2020		2030	
		AEO2007	AEO2006	AEO2007	AEO2006	AEO2007	AEO2006
Primary energy production (quadrillion Btu)							
Petroleum	13.30	14.42	14.83	14.85	14.41	13.71	12.25
Dry natural gas	18.77	19.93	19.13	21.41	22.09	21.15	21.45
Coal	23.20	24.47	25.78	26.61	27.30	33.52	34.10
Nuclear power	8.13	8.23	8.44	9.23	9.09	9.33	9.09
Hydropower	2.71	3.02	3.03	3.08	3.04	3.09	3.04
Biomass	2.71	4.22	3.90	4.69	4.66	5.26	5.07
Other renewable energy	0.76	1.18	1.27	1.33	1.92	1.44	2.61
Other	0.22	0.67	0.97	0.89	1.22	1.12	1.39
Total	69.80	76.13	77.36	82.09	83.73	88.63	89.00
Net imports (quadrillion Btu)							
Petroleum	26.94	25.19	26.25	28.92	30.46	34.74	36.56
Natural gas	3.67	4.67	4.45	5.48	5.15	5.59	5.72
Coal/other (- indicates export)	-0.42	-0.19	-0.58	0.93	0.90	1.57	2.02
Total	30.19	29.66	30.12	35.33	36.50	41.90	44.30
Consumption (quadrillion Btu)							
Liquid fuels	40.61	41.76	43.14	46.52	48.15	52.17	53.59
Natural gas	22.63	24.73	24.04	27.04	27.70	26.89	27.65
Coal	22.87	24.24	25.09	27.29	27.65	34.14	34.49
Nuclear power	8.13	8.23	8.44	9.23	9.09	9.33	9.09
Hydropower	2.71	3.02	3.03	3.08	3.04	3.09	3.04
Biomass	2.38	3.30	3.25	3.64	3.73	4.06	4.09
Other renewable energy	0.76	1.18	1.27	1.33	1.92	1.44	2.61
Net electricity imports	0.08	0.04	0.07	0.04	0.05	0.04	0.05
Total	100.19	106.50	108.34	118.16	121.32	131.16	134.60
Liquid fuels (million barrels per day)							
Domestic crude oil production	5.18	5.67	5.88	5.89	5.55	5.39	4.57
Other domestic production	3.04	4.03	3.98	4.49	4.87	5.08	5.82
Net imports	12.57	11.79	12.36	13.56	14.47	16.37	17.29
Consumption	20.75	21.59	22.18	24.03	24.82	26.95	27.57
Natural gas (trillion cubic feet)							
Production	18.30	19.42	18.65	20.86	21.52	20.61	20.90
Net imports	3.57	4.55	4.35	5.35	5.02	5.45	5.57
Consumption	21.98	24.02	23.35	26.26	26.92	26.12	26.86
Coal (million short tons)							
Production	1,131	1,189	1,261	1,323	1,355	1,691	1,703
Net imports	-21	-7	-26	41	36	68	83
Consumption	1,128	1,195	1,233	1,377	1,390	1,772	1,784
Prices (2005 dollars)							
Imported low-sulfur, light crude oil (dollars per barrel)	56.76	57.47	48.50	52.04	52.00	59.12	58.42
Imported crude oil (dollars per barrel)	49.19	51.20	45.12	46.47	46.14	51.63	51.27
Domestic natural gas at wellhead (dollars per thousand cubic feet)	7.51	5.76	5.15	5.22	5.02	5.98	6.07
Domestic coal at minemouth (dollars per short ton)	23.34	24.20	22.80	21.58	20.72	22.60	22.29
Average electricity price (cents per kilowatthour)	8.1	8.1	7.5	7.9	7.4	8.1	7.7
Economic indicators							
Real gross domestic product (billion 2000 dollars)	11,049	12,790	13,043	17,077	17,541	22,494	23,112
GDP chain-type price index (index, 2000=1.000)	1.127	1.253	1.235	1.495	1.597	1.815	2.048
Real disposable personal income (billion 2000 dollars)	8,105	9,568	9,622	13,000	13,057	17,535	17,562
Value of manufacturing shipments (billion 2000 dollars)	5,763	6,298	6,355	7,779	7,778	9,502	9,578
Primary energy intensity (thousand Btu per 2000 dollar of GDP)	9.07	8.33	8.31	6.92	6.92	5.83	5.82
Carbon dioxide emissions (million metric tons)	5,945	6,214	6,365	6,944	7,119	7,950	8,114

Notes: Quantities are derived from historical volumes and assumed thermal conversion factors. Other production includes liquid hydrogen, methanol, and some inputs to refineries. Net imports of petroleum include crude oil, petroleum products, unfinished oils, alcohols, ethers, and blending components. Other net imports include coal coke and electricity.

Sources: AEO2007 National Energy Modeling System, run AEO2007.D112106A; and AEO2006 National Energy Modeling System, run AEO2006.D111905A.